

## **PNEUMATIC ASSEMBLY FOR A PAINTBALL GUN**

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### **ABSTRACT OF THE DISCLOSURE**

A pneumatic assembly for a paintball gun preferably includes a bolt slidable between an open and a closed position. The bolt preferably operates as a firing valve by permitting compressed gas to flow through the bolt when the bolt is in the closed position but preventing the transfer of compressed gas through the bolt when in the open position. This can be accomplished, for instance, by arranging a sealing member in communication with a surface of the bolt. A port is also arranged through a lateral sidewall of the bolt at a predetermined location. The bolt preferably slides in relation to the sealing member such that when the bolt is in an open position, the sealing member prevents compressed gas from flowing into the bolt, but when the bolt is in a closed position, compressed gas is permitted to flow into the bolt. Movement of the bolt is preferably controlled using a control valve such as an electronic solenoid valve.